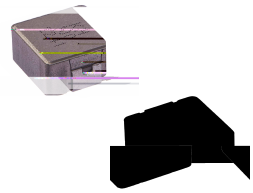
MDA Series

SMD Low Profile High Current Molded Inductor

Size 1360



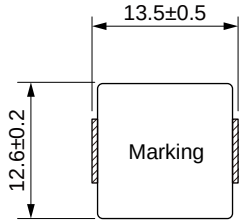
FEATURES

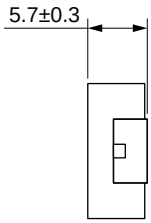
- Capable of corresponding high frequency .
- Low loss realized with low DCR.
- High performance (Isat) realized by metal dust core.
- 100% Lead(Pb)-Free and RoHS compliant.

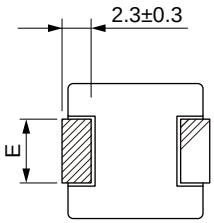
APPLICATION

- HVAC
- Audio subsystem
- Digital instrument cluster

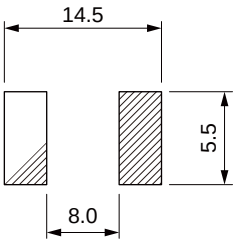
Dimensions: [mm]







Land Pattern: [mm]



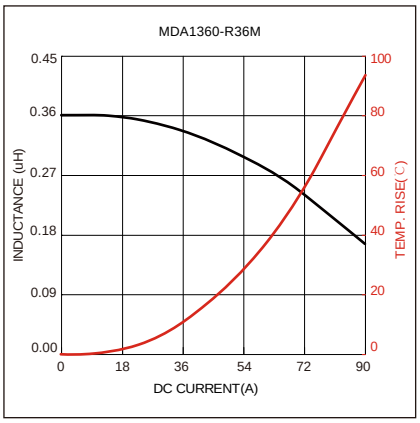
Electrical Properties:

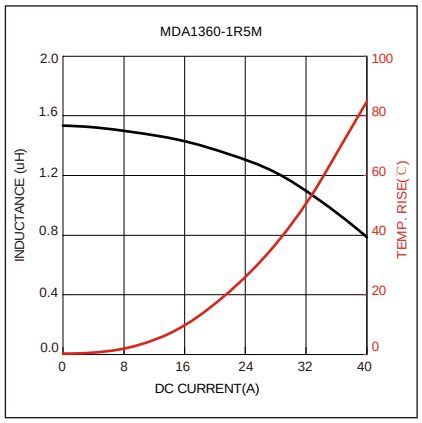
Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Satura on Current Typ. (A)	Satura on Current Max. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)	E
MDA1360-R36M	0.36	±20%	60.0	50.0	70.0	60.0	0.65	0.80	4.7±0.3
MDA1360-1R5M	1.50	±20%	28.0	24.0	32.0	27.0	2.40	3.00	4.0±0.3
MDA1360-2R2M	2.20	±20%	25.0	21.0	28.0	24.0	3.70	4.30	4.7±0.3
MDA1360-3R3M	3.30	±20%	21.0	18.0	28.0	24.0	5.30	6.50	4.7±0.3
MDA1360-4R7M	4.70	±20%	19.0	16.0	23.0	19.5	7.00	8.40	4.7±0.3
MDA1360-8R2M	8.20	±20%	13.5	12.0	17.0	15.5	13.5	16.0	4.7±0.3
MDA1360-100M	10.0	±20%	12.0	10.5	16.0	14.5	15.5	18.6	4.7±0.3
MDA1360-150M	15.0	±20%	10.0	8.5	10.0	9.0	24.0	29.0	4.7±0.3
MDA1360-220M	22.0	±20%	8.0	7.0	9.0	8.0	31.2	37.5	4.7±0.3
MDA1360-330M	33.0	±20%	6.5	5.5	7.8	6.7	56.0	68.0	4.7±0.3
MDA1360-470M	47.0	±20%	5.2	4.5	6.7	5.5	76.0	88.0	4.7±0.3

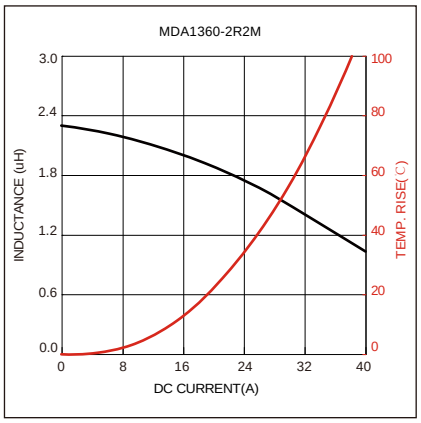
Saturation Current will cause L to drop approximately 30%

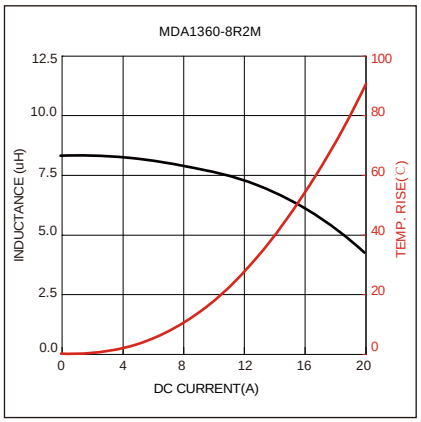
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

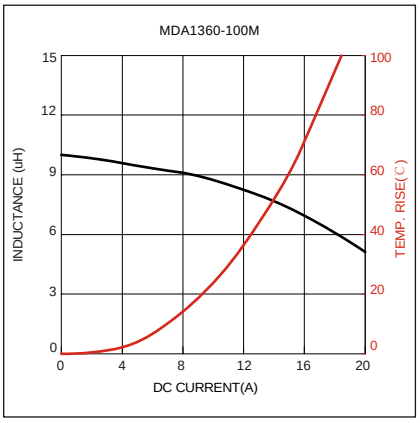
Typical Electrical Characteristics:



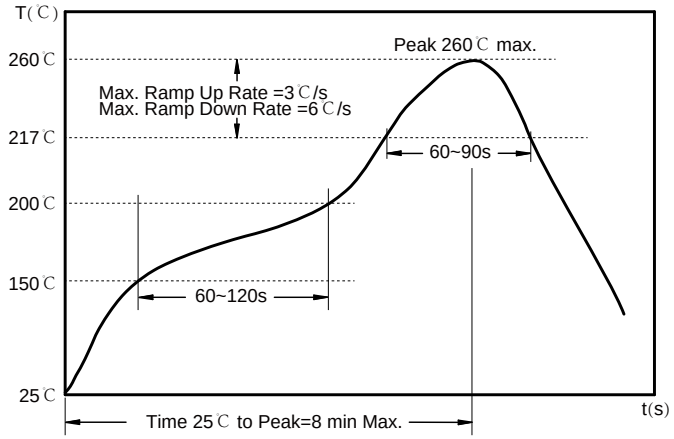








Soldering Reflow:



Preheat condition: 150 ~200℃/ 60~120 sec.

Allowed time above 217℃: 60~90 sec.

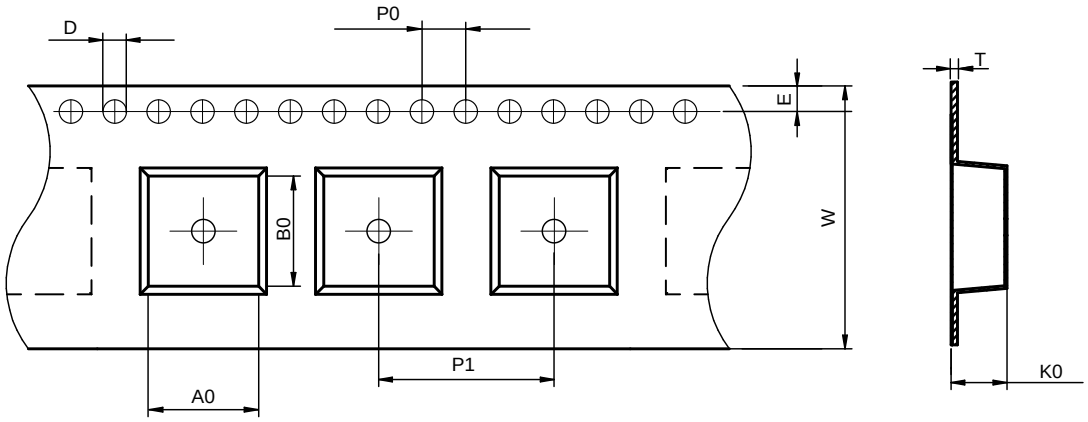
Max temperature: 260℃.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

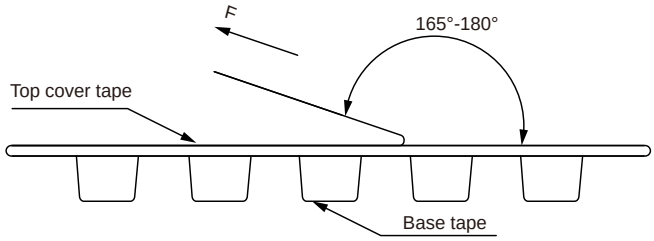
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDA1360	13.1±0.1	14.0±0.1	1.5±0.1	4.0±0.1	16.0±0.1	24.0±0.3	6.3±0.1	1.75±0.1	0.50±0.05

Peel force of top cover tape:

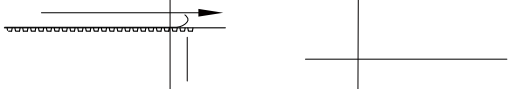


The peel force of top cover tape shall e etween 0.1 to 1.3 N

Product Marking:

Marking	KH+Printing (Inductance+period)

Reel Dimension：[mm]



Packaging Quantity: